International Application No PCT/BR2004/000241

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02P1/44 H02P5/402

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H02P H02K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2003 284379 A (FUJITSU GENERAL LTD), 3 October 2003 (2003-10-03)	1-3
A i	abstract	4-7
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 25, 12 April 2001 (2001-04-12) & JP 2001 231277 A (FUJITSU GENERAL LTD), 24 August 2001 (2001-08-24) abstract	1-3
A	 -/	4-7

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed	'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  '&' document member of the same patent family
Date of the actual completion of the international search  28 February 2005	Date of mailing of the international search report  08/03/2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Roider, A

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Accontinuation) DOCUMENTS CONSIDERED TO BE RELEVANT  Category Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.			
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	abstract	4-7	
,	 US 6 288 516 B1 (KUBICKO ROBERT ET AL) 11 September 2001 (2001-09-11)	1-3	
		4-7	
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,	US 2001/028239 A1 (VANDERHENST HENRI) 11 October 2001 (2001-10-11)	1-3	
1	paragraphs '0009!, '0010!	4–7	
<b>'</b>	US 6 239 563 B1 (KUNZ WUNNIBALD)	1-3	
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